

# Kerry Hourigan

## List of Publications by Year in descending order

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208  
papers

5,676  
citations

57631

44  
h-index

118652

62  
g-index

215  
all docs

215  
docs citations

215  
times ranked

3482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional instabilities in the wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996, 12, 190-196.	1.5	204
2	The beginning of branching behaviour of vortex-induced vibration during two-dimensional flow. <i>Journal of Fluids and Structures</i> , 2006, 22, 857-864.	1.5	126
3	SELF-SUSTAINED OSCILLATIONS IN FLOWS AROUND LONG BLUNT PLATES. <i>Journal of Fluids and Structures</i> , 2001, 15, 387-398.	1.5	110
4	From spheres to circular cylinders: the stability and flow structures of bluff ring wakes. <i>Journal of Fluid Mechanics</i> , 2003, 492, 147-180.	1.4	109
5	A review of the developments of characteristics of PEI derivatives for gene delivery applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	108
6	Flow past a cylinder close to a free surface. <i>Journal of Fluid Mechanics</i> , 2005, 533, .	1.4	106
7	Three-dimensional transition in the wake of a transversely oscillating cylinder. <i>Journal of Fluid Mechanics</i> , 2007, 577, 79-104.	1.4	102
8	Aerodynamic sources of acoustic resonance in a duct with baffles. <i>Journal of Fluids and Structures</i> , 1990, 4, 345-370.	1.5	99
9	Low-Reynolds-number wakes of elliptical cylinders: from the circular cylinder to the normal flat plate. <i>Journal of Fluid Mechanics</i> , 2014, 751, 570-600.	1.4	98
10	Wake state and energy transitions of an oscillating cylinder at low Reynolds number. <i>Physics of Fluids</i> , 2006, 18, 067101.	1.6	97
11	Three-dimensional transition in the wake of bluff elongated cylinders. <i>Journal of Fluid Mechanics</i> , 2005, 538, 1.	1.4	88
12	Cardiogenesis of Embryonic Stem Cells with Liquid Marble Micro-Bioreactor. <i>Advanced Healthcare Materials</i> , 2015, 4, 77-86.	3.9	88
13	Three-dimensional vortex structures in a cylinder wake. <i>Journal of Fluid Mechanics</i> , 1996, 312, 201-222.	1.4	83
14	Orbital migration of protoplanets - The inertial limit. <i>Astrophysical Journal</i> , 1989, 347, 490.	1.6	80
15	Target-free Stereo PIV: a novel technique with inherent error estimation and improved accuracy. <i>Experiments in Fluids</i> , 2008, 44, 317-329.	1.1	79
16	The flow past a circular cylinder translating at different heights above a wall. <i>Journal of Fluids and Structures</i> , 2013, 41, 9-21.	1.5	77
17	A review of rotating cylinder wake transitions. <i>Journal of Fluids and Structures</i> , 2015, 53, 2-14.	1.5	77
18	Microfluidic Manipulation of Core/Shell Nanoparticles for Oral Delivery of Chemotherapeutics: A New Treatment Approach for Colorectal Cancer. <i>Advanced Materials</i> , 2016, 28, 4134-4141.	11.1	74

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19	A fluid dynamics approach to bioreactor design for cell and tissue culture. <i>Biotechnology and Bioengineering</i> , 2006, 94, 1196-1208.	1.7	73
20	The past, present, and future of x-ray technology for <i>in vivo</i> imaging of function and form. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	72
21	Three-dimensionality in the wake of a rotating cylinder in a uniform flow. <i>Journal of Fluid Mechanics</i> , 2013, 717, 1-29.	1.4	71
22	From spheres to circular cylinders: non-axisymmetric transitions in the flow past rings. <i>Journal of Fluid Mechanics</i> , 2004, 506, 45-78.	1.4	70
23	Radial migration of preplanetary material: Implications for the accretion time scale problem. <i>Icarus</i> , 1984, 60, 29-39.	1.1	69
24	Flow Characterization of a Spinner Flask for Induced Pluripotent Stem Cell Culture Application. <i>PLoS ONE</i> , 2014, 9, e106493.	1.1	66
25	Particle image velocimetry and visualization of natural and forced flow around rectangular cylinders. <i>Journal of Fluid Mechanics</i> , 2003, 478, 299-323.	1.4	62
26	Hydrodynamics of a particle impact on a wall. <i>Applied Mathematical Modelling</i> , 2006, 30, 1356-1369.	2.2	62
27	Three-dimensional synchrotron x-ray particle image velocimetry. <i>Journal of Applied Physics</i> , 2007, 102, 064916.	1.1	62
28	Resonant sound caused by flow past two plates in tandem in a duct. <i>Journal of Fluid Mechanics</i> , 1988, 192, 455-484.	1.4	61
29	Vortex shedding and three-dimensional behaviour of flow past a cylinder confined in a channel. <i>Journal of Fluids and Structures</i> , 2011, 27, 855-860.	1.5	61
30	Computations of the drag coefficients for low-Reynolds-number flow past rings. <i>Journal of Fluid Mechanics</i> , 2005, 526, 257-275.	1.4	57
31	Altered Lung Motion is a Sensitive Indicator of Regional Lung Disease. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1160-1169.	1.3	56
32	Flow-induced vibration of D-section cylinders: an afterbody is not essential for vortex-induced vibration. <i>Journal of Fluid Mechanics</i> , 2018, 851, 317-343.	1.4	56
33	Response of base suction and vortex shedding from rectangular prisms to transverse forcing. <i>Journal of Fluid Mechanics</i> , 2002, 461, 25-49.	1.4	55
34	Wake transition of two-dimensional cylinders and axisymmetric bluff bodies. <i>Journal of Fluids and Structures</i> , 2006, 22, 793-806.	1.5	53
35	Computed tomographic x-ray velocimetry. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	52
36	Predicted low frequency structures in the wake of elliptical cylinders. <i>European Journal of Mechanics, B/Fluids</i> , 2004, 23, 229-239.	1.2	51

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37	Flows past rotating cylinders next to a wall. <i>Journal of Fluids and Structures</i> , 2011, 27, 668-679.	1.5	49
38	Steady inlet flow in stenotic geometries: convective and absolute instabilities. <i>Journal of Fluid Mechanics</i> , 2008, 616, 111-133.	1.4	47
39	Three-dimensionality in the wake of a rapidly rotating cylinder in uniform flow. <i>Journal of Fluid Mechanics</i> , 2013, 730, 379-391.	1.4	47
40	Vorticity generation and conservation for two-dimensional interfaces and boundaries. <i>Journal of Fluid Mechanics</i> , 2014, 758, 63-93.	1.4	47
41	Bioreducible PEI-functionalized glycol chitosan: A novel gene vector with reduced cytotoxicity and improved transfection efficiency. <i>Carbohydrate Polymers</i> , 2016, 153, 160-168.	5.1	46
42	Vortex-induced vibration of a rotating sphere. <i>Journal of Fluid Mechanics</i> , 2018, 837, 258-292.	1.4	45
43	The wake behind a cylinder rolling on a wall at varying rotation rates. <i>Journal of Fluid Mechanics</i> , 2010, 648, 225-256.	1.4	44
44	Experimental evidence of new three-dimensional modes in the wake of a rotating cylinder. <i>Journal of Fluid Mechanics</i> , 2013, 734, 567-594.	1.4	44
45	The shear-layer instability of a circular cylinder wake. <i>Physics of Fluids</i> , 2005, 17, 021702.	1.6	42
46	Sphere-wall collisions: vortex dynamics and stability. <i>Journal of Fluid Mechanics</i> , 2007, 575, 121-148.	1.4	42
47	The sensitivity of steady vortex breakdown bubbles in confined cylinder flows to rotating lid misalignment. <i>Journal of Fluid Mechanics</i> , 2003, 496, 129-138.	1.4	40
48	Optimization of agitation speed in spinner flask for microcarrier structural integrity and expansion of induced pluripotent stem cells. <i>Cytotechnology</i> , 2016, 68, 45-59.	0.7	40
49	Myocardial infarction: stem cell transplantation for cardiac regeneration. <i>Regenerative Medicine</i> , 2015, 10, 1025-1043.	0.8	38
50	Flow past rectangular cylinders: receptivity to transverse forcing. <i>Journal of Fluid Mechanics</i> , 2004, 515, 33-62.	1.4	37
51	Numerical and experimental studies of the rolling sphere wake. <i>Journal of Fluid Mechanics</i> , 2010, 643, 137-162.	1.4	37
52	Experimental investigation of in-line flow-induced vibration of a rotating circular cylinder. <i>Journal of Fluid Mechanics</i> , 2018, 847, 664-699.	1.4	37
53	Uncoupling the effects of aspect ratio, Reynolds number and Rossby number on a rotating insect-wing planform. <i>Journal of Fluid Mechanics</i> , 2019, 859, 921-948.	1.4	37
54	Shear layer vortices and longitudinal vortices in the near wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 1996, 12, 169-174.	1.5	36

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55	Wake behaviour and instability of flow through a partially blocked channel. <i>Journal of Fluid Mechanics</i> , 2007, 582, 319-340.	1.4	36
56	Flow around an impulsively arrested circular cylinder. <i>Physics of Fluids</i> , 2007, 19, .	1.6	34
57	Flow past a rotating cylinder translating at different gap heights along a wall. <i>Journal of Fluids and Structures</i> , 2015, 57, 314-330.	1.5	34
58	Vortex dynamics associated with the collision of a sphere with a wall. <i>Physics of Fluids</i> , 2004, 16, L74-L77.	1.6	33
59	Experiments on the elliptic instability in vortex pairs with axial core flow. <i>Journal of Fluid Mechanics</i> , 2011, 677, 383-416.	1.4	33
60	Vortex-induced vibration of a neutrally buoyant tethered sphere. <i>Journal of Fluid Mechanics</i> , 2013, 719, 97-128.	1.4	33
61	The evolution of a subharmonic mode in a vortex street. <i>Journal of Fluid Mechanics</i> , 2005, 534, 23-38.	1.4	32
62	Aspect ratio studies on insect wings. <i>Physics of Fluids</i> , 2019, 31, .	1.6	32
63	Surface-functionalization of PDMS for potential micro-bioreactor and embryonic stem cell culture applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 987-996.	2.9	31
64	Response of unconfined vortex breakdown to axial pulsing. <i>Physics of Fluids</i> , 2006, 18, 038102.	1.6	30
65	Volumetric correlation PIV: a new technique for 3D velocity vector field measurement. <i>Experiments in Fluids</i> , 2009, 47, 569-577.	1.1	30
66	Effect of small asymmetries on axisymmetric stenotic flow. <i>Journal of Fluid Mechanics</i> , 2013, 721, .	1.4	30
67	The wake and thrust by four side-by-side cylinders at a low Re. <i>Journal of Fluids and Structures</i> , 2017, 70, 131-144.	1.5	30
68	A numerical study of global frequency selection in the time-mean wake of a circular cylinder. <i>Journal of Fluid Mechanics</i> , 2010, 645, 435-446.	1.4	29
69	Sources of acoustic resonance generated by flow around a long rectangular plate in a duct. <i>Journal of Fluids and Structures</i> , 2003, 18, 729-740.	1.5	28
70	Sound generated in laminar flow past a two-dimensional rectangular cylinder. <i>Journal of Sound and Vibration</i> , 2006, 295, 407-427.	2.1	28
71	Transverse flow-induced vibrations of a sphere. <i>Journal of Fluid Mechanics</i> , 2018, 837, 931-966.	1.4	28
72	Longitudinal vortex structures in a cylinder wake. <i>Physics of Fluids</i> , 1994, 6, 2883-2885.	1.6	27

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73	Confined flow vortex breakdown control using a small rotating disk. <i>Physics of Fluids</i> , 2004, 16, 4750-4753.	1.6	27
74	Prediction of Flutter of Turbine Blades in a Transonic Annular Cascade. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2005, 127, 1053-1058.	0.8	27
75	Pulsatile flow in stenotic geometries: flow behaviour and stability. <i>Journal of Fluid Mechanics</i> , 2009, 622, 291-320.	1.4	27
76	X-ray Velocimetry and Haemodynamic Forces Within a Stenosed Femoral Model at Physiological Flow Rates. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1643-1653.	1.3	27
77	Spiral streaklines in pre-vortex breakdown regions of axisymmetric swirling flows. <i>Physics of Fluids</i> , 1995, 7, 3126-3128.	1.6	26
78	A coupled Landau model describing the Strouhal-Reynolds number profile of a three-dimensional circular cylinder wake. <i>Physics of Fluids</i> , 2003, 15, L68-L71.	1.6	26
79	Subharmonic mechanism of the mode C instability. <i>Physics of Fluids</i> , 2005, 17, 111702.	1.6	25
80	A simple calibration technique for stereoscopic particle image velocimetry. <i>Experiments in Fluids</i> , 2007, 42, 799-810.	1.1	25
81	Haemodynamical stress in mouse aortic arch with atherosclerotic plaques: Preliminary study of plaque progression. <i>Computational and Structural Biotechnology Journal</i> , 2014, 10, 98-106.	1.9	25
82	Three-dimensional numerical simulation of blood flow in mouse aortic arch around atherosclerotic plaques. <i>Applied Mathematical Modelling</i> , 2014, 38, 4175-4185.	2.2	25
83	Acoustic sources in a tripped flow past a resonator tube. <i>AIAA Journal</i> , 1992, 30, 1484-1491.	1.5	24
84	Flow dynamics and forces associated with a cylinder rolling along a wall. <i>Physics of Fluids</i> , 2006, 18, 111701.	1.6	24
85	Measurement of instantaneous velocity and surface topography in the wake of a cylinder at low Reynolds number. <i>Journal of Fluids and Structures</i> , 2008, 24, 1271-1277.	1.5	24
86	Acoustics and experimental methods: The influence of sound on flow and heat transfer. <i>Experimental Thermal and Fluid Science</i> , 1990, 3, 138-152.	1.5	23
87	Control of vortex breakdown in a closed cylinder with a small rotating rod. <i>Journal of Fluids and Structures</i> , 2008, 24, 1278-1283.	1.5	23
88	Experimental Characterisation of Fluid Mechanics in a Spinner Flask Bioreactor. <i>Processes</i> , 2014, 2, 753-772.	1.3	23
89	Vortex-induced vibrations of a sphere close to a free surface. <i>Journal of Fluid Mechanics</i> , 2018, 846, 1023-1058.	1.4	23
90	An experimental investigation of flow-induced vibration of high-side-ratio rectangular cylinders. <i>Journal of Fluids and Structures</i> , 2019, 91, 102580.	1.5	23

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91	The generation and conservation of vorticity: deforming interfaces and boundaries in two-dimensional flows. <i>Journal of Fluid Mechanics</i> , 2020, 890, .	1.4	23
92	Flow-induced vibrations of a tethered circular cylinder. <i>Journal of Fluids and Structures</i> , 2004, 19, 1085-1102.	1.5	22
93	Predicting vortex-induced vibration from driven oscillation results. <i>Applied Mathematical Modelling</i> , 2006, 30, 1096-1102.	2.2	22
94	Effect of lactate and pH on mouse pluripotent stem cells: Importance of media analysis. <i>Biochemical Engineering Journal</i> , 2017, 118, 25-33.	1.8	22
95	Global frequency selection in the observed time-mean wakes of circular cylinders. <i>Journal of Fluid Mechanics</i> , 2008, 601, 425-441.	1.4	21
96	Computed tomographic X-ray velocimetry for simultaneous 3D measurement of velocity and geometry in opaque vessels. <i>Experiments in Fluids</i> , 2012, 52, 543-554.	1.1	21
97	From the circular cylinder to the flat plate wake: The variation of Strouhal number with Reynolds number for elliptical cylinders. <i>Physics of Fluids</i> , 2013, 25, .	1.6	21
98	The Unsteady Wake of a Circular Cylinder near a Free Surface. <i>Flow, Turbulence and Combustion</i> , 2003, 71, 347-359.	1.4	20
99	An improved, free surface, topographic technique. <i>Journal of Visualization</i> , 2006, 9, 49-56.	1.1	20
100	Convective instability in steady stenotic flow: optimal transient growth and experimental observation. <i>Journal of Fluid Mechanics</i> , 2010, 655, 504-514.	1.4	20
101	Asymmetric structure and non-linear transition behaviour of the wakes of toroidal bodies. <i>European Journal of Mechanics, B/Fluids</i> , 2004, 23, 167-179.	1.2	19
102	Variation in the critical mass ratio of a freely oscillating cylinder as a function of Reynolds number. <i>Physics of Fluids</i> , 2005, 17, 038106.	1.6	19
103	Vortex-induced vibration of a transversely rotating sphere. <i>Journal of Fluid Mechanics</i> , 2018, 847, 786-820.	1.4	19
104	Effects of flapping-motion profiles on insect-wing aerodynamics. <i>Journal of Fluid Mechanics</i> , 2020, 884, .	1.4	19
105	Modelling the Transport of Momentum and Oxygen in an Aerial-Disk Driven Bioreactor Used for Animal Tissue or Cell Culture. <i>IFMBE Proceedings</i> , 2009, , 1672-1675.	0.2	19
106	Simulation of the control of vortex breakdown in a closed cylinder using a small rotating disk. <i>Physics of Fluids</i> , 2009, 21, .	1.6	18
107	Experimental control of vortex breakdown by density effects. <i>Physics of Fluids</i> , 2011, 23, .	1.6	18
108	Transition to chaos in the wake of a rolling sphere. <i>Journal of Fluid Mechanics</i> , 2012, 695, 135-148.	1.4	18

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109	Control of confined vortex breakdown with partial rotating lids. Journal of Fluid Mechanics, 2014, 738, 5-33.	1.4	18
110	Dynamic response of elliptical cylinders undergoing transverse flow-induced vibration. Journal of Fluids and Structures, 2019, 89, 123-131.	1.5	18
111	The effect of mass ratio and tether length on the flow around a tethered cylinder. Journal of Fluid Mechanics, 2007, 591, 117-144.	1.4	17
112	Optimisation of temporal averaging processes in PIV. Experiments in Fluids, 2012, 52, 617-631.	1.1	17
113	Experimental study of simultaneous measurement of velocity and surface topography: in the wake of a circular cylinder at low Reynolds number. Experiments in Fluids, 2011, 50, 587-595.	1.1	16
114	Dynamics and stability of the wake behind tandem cylinders sliding along a wall. Journal of Fluid Mechanics, 2013, 722, 291-316.	1.4	16
115	The leading-edge vortex on a rotating wing changes markedly beyond a certain central body size. Royal Society Open Science, 2018, 5, 172197.	1.1	16
116	Bluff Bodies and Wake-Wall Interactions. Annual Review of Fluid Mechanics, 2021, 53, 347-376.	10.8	16
117	The generation and diffusion of vorticity in three-dimensional flows: Lyman's flux. Journal of Fluid Mechanics, 2021, 915, .	1.4	16
118	Vorticity generation and conservation on generalised interfaces in three-dimensional flows. Journal of Fluid Mechanics, 2022, 936, .	1.4	16
119	A Bioreactor Model of Mouse Tumor Progression. Journal of Biomedicine and Biotechnology, 2007, 2007, 1-9.	3.0	15
120	ENGINEERING IMAGING: USING PARTICLE IMAGE VELOCIMETRY TO SEE PHYSIOLOGY IN A NEW LIGHT. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 238-247.	0.9	15
121	Evaluating fluid forces on bluff bodies using partial velocity data. Journal of Fluids and Structures, 2005, 20, 5-24.	1.5	14
122	Instability of the flow around an impacting sphere. Journal of Fluids and Structures, 2006, 22, 961-971.	1.5	14
123	Dye visualization near a three-dimensional stagnation point: application to the vortex breakdown bubble. Journal of Fluid Mechanics, 2009, 622, 177-194.	1.4	14
124	Vorticity generation and wake transition for a translating circular cylinder: Wall proximity and rotation effects. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 122, 2-9.	1.7	14
125	Three-dimensionality of elliptical cylinder wakes at low angles of incidence. Journal of Fluid Mechanics, 2017, 825, 245-283.	1.4	14
126	Body-caudal fin fish-inspired self-propulsion study on burst-and-coast and continuous swimming of a hydrofoil model. Physics of Fluids, 2021, 33, .	1.6	14



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127	Dual effect of F-actin targeted carrier combined with antimetabolic drug on aggressive colorectal cancer cytoskeleton: Allying dissimilar cell cytoskeleton disrupting mechanisms. International Journal of Pharmaceutics, 2016, 513, 464-472.	2.6	13
128	The effect of imposed rotary oscillation on the flow-induced vibration of a sphere. Journal of Fluid Mechanics, 2018, 855, 703-735.	1.4	12
129	Evolutionary shape optimisation enhances the lift coefficient of rotating wing geometries. Journal of Fluid Mechanics, 2019, 868, 369-384.	1.4	12
130	Vortex dynamics and vibration modes of a tethered sphere. Journal of Fluid Mechanics, 2020, 885, .	1.4	12
131	Wake transition of a rolling sphere. Journal of Visualization, 2011, 14, 1-2.	1.1	11
132	A study of the geometry and parameter dependence of vortex breakdown. Physics of Fluids, 2015, 27, 044102.	1.6	11
133	Numerical Experiments on Planetesimal Aggregation during the Formation of the Solar System. Publications of the Astronomical Society of Australia, 1977, 3, 169-171.	1.3	10
134	Augmented forced convection heat transfer in separated flow around a blunt flat plate. Experimental Thermal and Fluid Science, 1991, 4, 182-191.	1.5	10
135	Base pressure coefficients for flows around rectangular plates. Journal of Wind Engineering and Industrial Aerodynamics, 1993, 49, 311-318.	1.7	10
136	Experimental investigation of fluid dynamic instability in a transonic cavity flow. Experimental Thermal and Fluid Science, 2007, 31, 333-347.	1.5	10
137	Hydrodynamics of a fish-like body undulation mechanism: Scaling laws and regimes for vortex wake modes. Physics of Fluids, 2021, 33, .	1.6	10
138	Mixing in a vortex breakdown flow. Journal of Fluid Mechanics, 2013, 731, 195-222.	1.4	9
139	Optimisation of a Stirred Bioreactor through the Use of a Novel Holographic Correlation Velocimetry Flow Measurement Technique. PLoS ONE, 2013, 8, e65714.	1.1	9
140	The feedback loop in impinging two-dimensional high-subsonic and supersonic jets. Experimental Thermal and Fluid Science, 1996, 12, 265-270.	1.5	8
141	Wake formation behind a rolling sphere. Physics of Fluids, 2008, 20, .	1.6	8
142	Vortex-induced vibration of elastically-mounted spheres: A comparison of the response of three degrees of freedom and one degree of freedom systems. Journal of Fluids and Structures, 2019, 89, 142-155.	1.5	8
143	Efficient FSI solvers for multiple-degrees-of-freedom flow-induced vibration of a rigid body. Computers and Fluids, 2020, 196, 104340.	1.3	8
144	Prediction of vortex shedding from bluff bodies in the presence of a sound field. Fluid Dynamics Research, 1988, 3, 349-352.	0.6	7

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145	Wake of forced flow around elliptical leading edge plates. <i>Journal of Fluids and Structures</i> , 2005, 20, 157-176.	1.5	7
146	Hydraulic Analogy Study of Supersonic Rectangular-Jet Screech Control with Cylinders. <i>AIAA Journal</i> , 2007, 45, 1539-1545.	1.5	7
147	Unsteady flow around impacting bluff bodies. <i>Journal of Fluids and Structures</i> , 2008, 24, 1194-1203.	1.5	7
148	Power-Spectral density estimate of the Bloor-Gerrard instability in flows around circular cylinders. <i>Experiments in Fluids</i> , 2011, 50, 527-534.	1.1	7
149	Direct numerical simulation of a counter-rotating vortex pair interacting with a wall. <i>Journal of Fluid Mechanics</i> , 2020, 884, .	1.4	7
150	On the Formation of Planetesimals. <i>Publications of the Astronomical Society of Australia</i> , 1979, 3, 389-390.	1.3	6
151	Low-level flow-induced acoustic resonances in ducts. <i>Fluid Dynamics Research</i> , 1988, 3, 353-356.	0.6	6
152	Sound Generated by a Pair of Axisymmetric viscous Coaxial Vortex Rings.. <i>AIAA Journal</i> , 2005, 43, 326-336.	1.5	6
153	Low Reynolds number instabilities and transitions in bluff body wakes. <i>Journal of Physics: Conference Series</i> , 2007, 64, 012018.	0.3	6
154	Flow normal to a short cylinder with hemispherical ends. <i>Physics of Fluids</i> , 2008, 20, .	1.6	6
155	The influence of a small upstream wire on transition in a rotating cylinder wake. <i>Journal of Fluid Mechanics</i> , 2015, 769, .	1.4	6
156	A universal three-dimensional instability of the wakes of two-dimensional bluff bodies. <i>Journal of Fluid Mechanics</i> , 2016, 792, 50-66.	1.4	6
157	Two- and three-dimensional wake transitions of an impulsively started uniformly rolling circular cylinder. <i>Journal of Fluid Mechanics</i> , 2017, 826, 32-59.	1.4	6
158	Vortex wake and energy transitions of an oscillating cylinder at low Reynolds number. <i>ANZIAM Journal</i> , 0, 46, 181.	0.0	6
159	Decomposition of fluid forcing and phase synchronisation for in-line vortex-induced vibration of a circular cylinder. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	1.4	6
160	Coupling of Vortex Shedding with the Fundamental Resonant Mode of a Resonator Tube. <i>Noise Control Engineering Journal</i> , 1993, 41, 331.	0.2	5
161	Wake dynamics and flow-induced vibration of a freely rolling cylinder. <i>Journal of Fluid Mechanics</i> , 2020, 903, .	1.4	5
162	Computing the flow past a cylinder with hemispherical ends. <i>ANZIAM Journal</i> , 0, 46, 1296.	0.0	5

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163	Vortex ring connection to a free surface. <i>Journal of Fluid Mechanics</i> , 2022, 944, .	1.4	5
164	Simulations of Aeroelasticity in an Annular Cascade Using a Parallel 3-Dimensional Navier-Stokes Solver. , 2002, , 393.		4
165	Development of dual-triggered <i>in situ</i> gelling scaffolds for tissue engineering. <i>Polymer International</i> , 2014, 63, 1593-1599.	1.6	4
166	Large amplitude cross-stream sphere vibration generated by applied rotational oscillation. <i>Journal of Fluids and Structures</i> , 2019, 89, 156-165.	1.5	4
167	Numerical simulation of heat transfer in the separated and reattached flow on a blunt flat plate. <i>International Communications in Heat and Mass Transfer</i> , 1986, 13, 665-674.	2.9	3
168	Experimental investigation of vortex shedding from a plate: effect of external velocity perturbation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1993, 49, 401-410.	1.7	3
169	Smooth particle hydrodynamics simulation of surface coating. <i>Applied Mathematical Modelling</i> , 1998, 22, 1037-1046.	2.2	3
170	Motion of a Möbius band in free fall. <i>Journal of Fluids and Structures</i> , 2009, 25, 687-696.	1.5	3
171	Surface topography of jet shock cells in a hydraulic analogy. <i>Journal of Visualization</i> , 2010, 13, 175-176.	1.1	3
172	Application of Particle Image Velocimetry and Reference Image Topography to jet shock cells using the hydraulic analogy. <i>Experiments in Fluids</i> , 2011, 51, 543-551.	1.1	3
173	Damping effect on transverse flow-induced vibration of a rotating circular cylinder and its implied energy harvesting performance. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	3
174	Vortex structures in the wake of a buoyant tethered cylinder at moderate to high reduced velocities. <i>European Journal of Mechanics, B/Fluids</i> , 2004, 23, 127-135.	1.2	2
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